

ERICSSON RX8300
DISTRIBUTION
RECEIVER
RANGE AND
APPLICATIONS

APPLICATION DESIGNED RECEIVERS

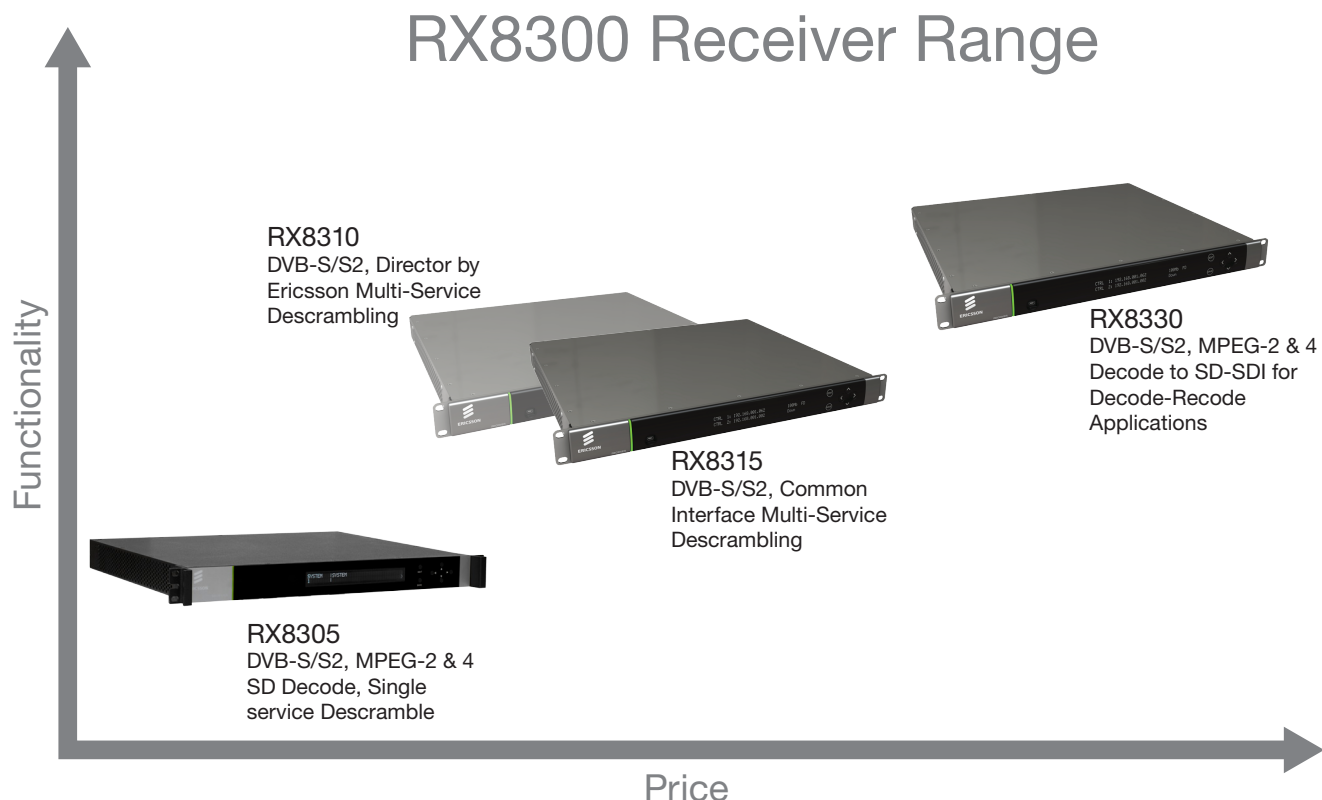
The Ericsson RX8300 series is a range of professional receivers that are a blend of performance and cost effective design - optimized for specific functional applications. Each RX8300 variant is designed to offer the core capability across the most frequently required receiver applications.

By delivering receiver devices with the most up-to-date feature set, each dedicated to specific applications, users can ensure that the device performs the necessary task with distinction and can be purchased at a very competitive price.

The Ericsson RX8300 range of Distribution Receivers are perfectly optimized for receiving and turning round content off air - capable of decoding video content and descrambling transport streams for turn-around systems. This capability makes the RX8300 range of Integrated Receiver Decoders the perfect receive devices for distribution of video services throughout large networks.

A Receiver for Every Application

The RX8300 Distribution Receivers consist of 4 individual models each targeting a specific application.

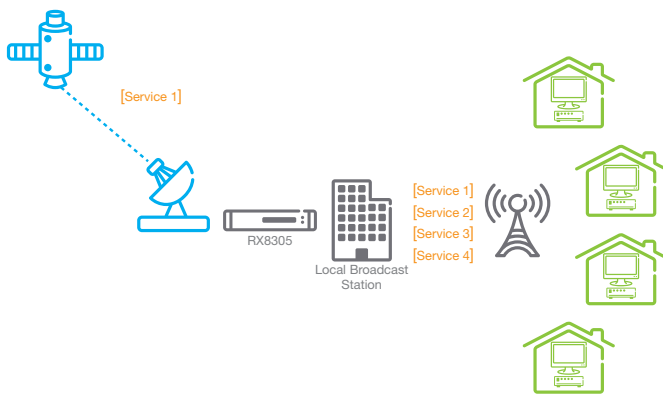


ERICSSON'S RX8300 RECEIVER RANGE



RX8305

RX8305 provides the core capabilities of a single service SD decoder. The RX8305 sets itself apart from competing solutions by allowing distribution systems to take advantage of the bandwidth and hence OPEX reducing combination of MPEG-4 AVC SD compression and DVB-S2 satellite modulation.

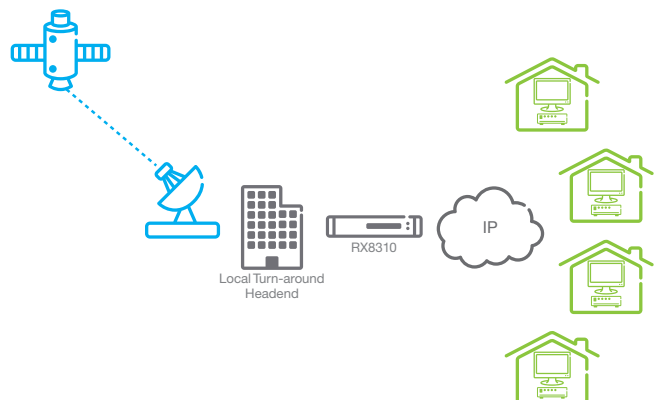


By additionally incorporating legacy DVB-S and MPEG-2 decoding this Multi-Format SD decoder provides flexible reception of a multiplex of satellite channels, descramble and decode a single service and interface into a local broadcast station through any of the unit's analog composite video, SDI digital video and ASI transport stream interfaces.



RX8310

The RX8310 is purposely designed for Program Distribution where one or more services are distributed over satellite by a single content originator into multiple receive locations. In this scenario the content originator often requires control of the receivers at their remote sites. The in-built Director by Ericsson over-air control and security system meets this need perfectly.



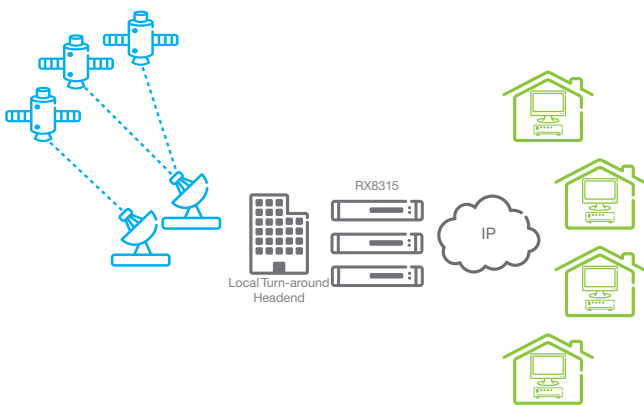
The RX8310 offers capability to descramble single or multiple services outputting the descrambled transport stream into the local station either as ASI or IP. Using the RX8310's multi-format capability the receiver can decode any 4:2:0 SD or HD MPEG-2 or MPEG-4 service to analog SD to interface into a legacy analog tier or for local monitoring.

ERICSSON'S RX8300 RECEIVER RANGE



RX8315

The RX8315 provides an effective route for content acquisition for Cable and IPTV services. RX8315 receivers allow services to be acquired from different satellites and satellite transponders to form a customized bouquet of channels for delivery over the Direct to Home platform to the end customer base.

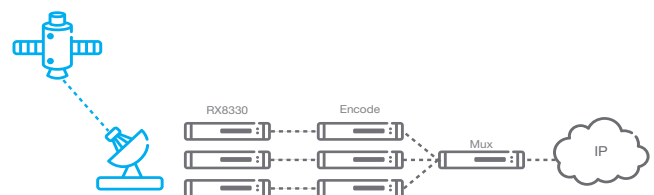


By offering open standards DVB-Common Interface multi-service descrambling capability in conjunction with DVB-S/S2 and MPEG-2 and 4 Multi-Format capability the RX8315 ensures that all services can be reliably ingested into the DTH delivery platform.



RX8330

The RX8330 Distribution Receiver sits at the top end of the RX8300 portfolio of products offering the super-set of features found in all RX8300 receivers. Through a full complement of interfaces and open standards CA - including BISS, the RX8330 receiver is targeted at decode-recode applications.



The RX8330 offers full feature flexibility by combining input type diversity through a four input DVB-S/S2 capable satellite input in combination with an ASI input. Video decoding is catered for through MPEG-2 and 4 Multi-Format decoding for 4:2:0 video with HD down-conversion capability. Finally, the RX8330 ensures that it can interface into any video system with a full complement of ASI and IP transport stream output interfaces and analog composite and SDI digital video connectivity.

RX8300 RECEIVER ADVANTAGES

RX8300 Receiver Advantages

Ericsson RX8300 Distribution Receivers provide significant system architecture benefits to the user. Through a combination of sophisticated functionality the RX8300 receivers offer a combination of low-cost control and management solutions in conjunction with technology to efficiently manage bandwidth on core network infrastructure.

Director by Ericsson

Delivering professional broadcast video content over satellite, cable and telco networks requires the highest security to protect against theft and unauthorized viewing.

Director by Ericsson offers an advanced software-based system for Simulcrypt Conditional Access (CA) that controls and authorizes individual and banks of receivers across sites under maximum security. In the contribution and distribution markets, where moving content to cable or terrestrial headends involves numerous receivers, Director allows targeting of specific receivers for authorization to view encrypted streams.

Director updates both MPEG-2 and MPEG-4 AVC standard definition (SD) and high definition (HD) receivers using over-the-air downloads of the latest software code, without requiring site visits. This highly flexible system enables fully customized control of the entire receiver population allowing rapid deployment of new CA entitlements or new revenue generating services. Director manages and controls all Ericsson's market leading receivers designed for high-quality contribution and distribution services. Built for mission-critical, real-time SD and HD content delivery for point-to-point and point-to-multipoint connections, Director's GUI enables a single system view of the entire receiver population, allowing operators to make changes on the fly to protect and secure their video content.



Key benefits of the system include:

- › Embedded Simulcrypt CA
- › Software download to receivers
- › Over-air control of receiver population



RX8300 RECEIVER ADVANTAGES

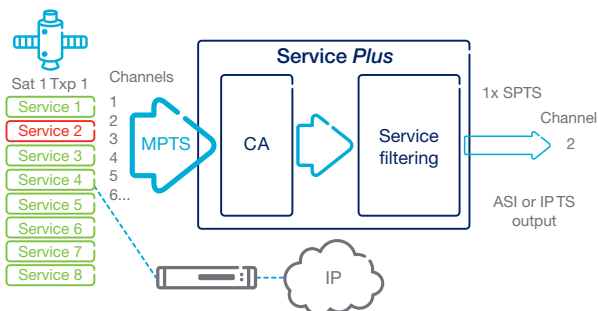


Lower Your Network Bandwidth Loading

RX8300 Distribution Receivers bring a step-change in service processing ability within an IRD package. Under the umbrella of Service Plus, the RX8000 receivers have the capability to perform Single Service Filtering, Multi-Service descrambling and splitting.

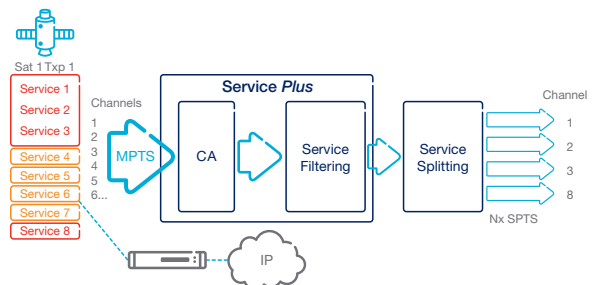
Single Service Filtering

In many situations the incoming stream contains a multiplex consisting of a number video services but only one service is actually required to be ingested as a transport stream into the receiving network. Ericsson RX8000 receivers have the capability to perform Single Service Filtering to strip out the wanted service which can then be output into the network over ASI or onto an IP backbone saving significant bandwidth loading onto that backbone infrastructure.



Multi-Service Filtering

Should multiple services be required to be ingested into a network then one RX8000 receiver can be used to process these services - dramatically reducing the unit count and inherent cost of a multi-box solution. RX8000 receivers have the capability to select from the incoming multiplex of services, pick off a required subset, descramble those required and if desired split the services into multiple IP streams and route each individual service to a different port on an IP network vastly simplifying management of network content.



The RX8300 Distribution Receivers are part of a broad portfolio of Contribution and Distribution solutions from Ericsson. For more information on our RX8300 receivers or any other products please make contact with our worldwide team.

RX8300 FUNCTIONALITY

The following table details a comparison of functionality across Ericsson's portfolio of receivers.

FEATURE	RX8305	RX8310	RX8315	RX8330
Transport Stream Inputs				
ASI Input	x	D	D	D
1x DVB-S/S2 satellite Input	D	x	x	x
4x DVB-S/S2 Satellite Inputs	x	D	D	D
Conditional Access				
Single Service Common Interface CA	D	x	D	D
Multi-Service Common Interface CA	x	x	S	S
CAM Menu Browsing	D	D	D	D
Single Service Director CA	D	D	D	D
Multi-Service Director CA	x	S	x	S
Single Service BISS CA	D	x	x	D
Multi-Service BISS CA	x	x	x	S
Transport Stream Processing				
Single service filtering	x	S	S	S
Multi-Service Filtering (MPTS Out)	x	S	S	S
Multi-Service Filtering, Stream Splitting	x	H/S (IP Out)	H/S (IP Out)	H/S (IP Out)
Single Service PID Remapping	x	S	S	S
Video Decode				
MPEG-2 SD 4:2:0	S	S	S	S
MPEG-2 HD 4:2:0	x	S (SD Out)	S (SD Out)	S (SD Out)
MPEG-4 SD 4:2:0	S	S	S	S
MPEG-4 HD 4:2:0	x	S (SD Out)	S (SD Out)	S (SD Out)
Audio Functionality				
MPEG-1 Layer II	D	D	D	D
Dolby® Digital Decode/Down-mix	S	S	S	S
AAC Decode	S	S	S	S
2x Balanced Stereo Pairs	D	D	D	D
Video Processing				
4:2:0 ARC	D	D	D	D
HD to SD Down-conversion	x	S	S	S
Service Cycling	D	D	D	D
Data Capability				
MPE High Speed IP Data	x	S	S	S
Transport Stream Output				
ASI Output	H	D	D	D
IP TS Output	x	H	H	H
Video Outputs				
SD CVBS (PAL/NTSC)	D	D	D	D
Russian SECAM	x	x	x	H
SD-SDI	H	x	x	D
Control				
Front Panel Control	D	D	D	D
SNMP	D	D	D	D
Web Browser Remote Control	D	D	D	D
Ancillary				
SCTE 35 Controlled Contact Closures	x	D	D	D
Alarm Relay	D	D	D	D

x = Not available

D = Feature available by default

S = Feature available by software option

H = Feature available via hardware option

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